

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/548,407  
Applicant : Yokoyama *et al.*  
Filing or § 371 date : September 8, 2005  
TC/A.U. : 1796  
Examiner : C. C. Wang  
Docket No. : TAN-354  
Customer No. : 62,479

**DECLARATION UNDER 37 C.F.R. § 1.132**

Commissioner for Patents  
Alexandria, VA 22314-1450

Sir:

I, Chiaki Yokoyama, hereby declare as follows:

1. I am one of the inventors of the captioned application, and am familiar with the subject matter of the captioned application and with the Office Action mailed on December 10, 2008.
2. The claimed ratio of a(mM)/b(mL) of  $0.05 \leq a/b < 1.0$  is unobvious.
3. There are three different performance regions being defined by the a/b ratio of concentration (a mM) of particles dispersed in water and the amount of ionic liquid (b mL).
4. Example 1 in the specification shows that phase separation does not occur in a region  $a/b > 2.0$ .
5. Example 1 shows that phase separation starts in a region  $2.0 \geq a/b \geq 1.0$ .

6. Example 1 shows that particles are completely transferred and the dispersion becomes transparent in the region  $a/b < 1.0$ .

7. Example 1 provides clear experimental evidence that the specific level of the ratio  $a/b$  of the fine particles into the ionic liquid is unobvious.

Further, Declarant Chiaki Yokoyama sayeth:

I declare that all statements are made of my own knowledge and are true and that all statements are made on information and belief that are believed to be true and further, that any false statements so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2009/6/3  
Date

Chiaki Yokoyama  
Chiaki Yokoyama